

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	2833527
<b>Application Number:</b>	10524178
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	2822
<b>Title of Invention:</b>	JOINT CHANNEL AND NOISE VARIANCE ESTIMATION IN A WIDEBAND OFDM SYSTEM
<b>First Named Inventor/Applicant Name:</b>	Monisha Ghosh
<b>Customer Number:</b>	24737
<b>Filer:</b>	LARRY LIBERCHUK/NOEMI CHAPA
<b>Filer Authorized By:</b>	LARRY LIBERCHUK
<b>Attorney Docket Number:</b>	US020298
<b>Receipt Date:</b>	08-FEB-2008
<b>Filing Date:</b>	10-FEB-2005
<b>Time Stamp:</b>	13:52:36
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 1740
RAM confirmation Number	7844
Deposit Account	141270
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

**File Listing:**

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	US020298US_Issue_Fee_.pdf	1855347 5cd3eea790d747cccdcc22f410eb2759765eded2	no	1

**Warnings:****Information:**

2	Post Allowance Communication - Incoming	US020298US_reasons_for_allowance.pdf	111180 30b27be088795f6309ba735f33ce70d325891ea2	no	2
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**Warnings:****Information:**

3	Fee Worksheet (PTO-06)	fee-info.pdf	8346 323d2c9123834bcefce9a5fd49fe7dbc32771655	no	2
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**Warnings:****Information:**

Total Files Size (in bytes):			1974873		
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.